

Claims

1. A device in a multifunctional hand-held tool machine for the ON/OFF and changeover switching of individual electrical functions of a system, comprising a bistable switch including two elements that can be moved relative to one another by the actuation of the changeover device and by the changeover device and, wherein the bistable switch, in one switching position of the changeover device, switches individual electrical system functions of the machine into the active position and, in a different switching position, switches these functions into an inactive position.

2. The device of claim 1, wherein the bistable switch is a Hall sensor switch fixed in the machine and wherein, when the changeover device is actuated, the Hall sensor switch is changeable over by a permanent magnet, the magnet being movable closer to and further away from the Hall sensor switch.

3. The device of claim 1, wherein the bistable switch is a switch that is energized by electromagnetic radiation and includes an energizing element, and wherein the energizing element, upon actuation of the changeover device, can be shifted relative to an energizer region of the switch.

4. The device of claim 3, wherein the bistable switch is an optical-electronic switch including an energizing light source and wherein the energizing light source, upon actuation of the changeover device, is shiftable relative to an assigned photoelectric detecting element and switching element.

5. The device of claim 3, wherein the bistable switch is an optical-electronic switch, fixed in the machine, with a shadowing element, and wherein the shadowing element is coupled with the changeover device and, when the changeover device is actuated, in one switching position is positioned in a light path between a light source and photoelectric detector of the switch and, in a different switching position, enables this light path.

6. The device of claim 1, wherein the changeover device has an actuating element that is alternately changeable over by a user and is coupled with a mechanical movement element fixed to the movable element of the bistable switch.

7. The device of claim 6, wherein the actuating element is a sliding key and wherein the sliding key is mounted in the machine housing and connected with a push/pull rod, carrying the movable element of the bistable switch.

8. The device of claim 6, wherein the actuating element is a knob, mounted in the machine housing and on the axis of which an eccentric push/pull rod, carrying the movable element of the bistable switch, is mounted.

9. The device of claim 6, wherein the actuating element is a knob, mounted in the machine housing, provided with a crank pin on the inside of the housing

and is part of a crank gear, actuating a push/pull rod fastened to the movable element of the bistable switch.

10. The device of claim 6, wherein the actuating element is a knob, mounted in the machine housing and on the axis of which, on the inside of the housing, an at least partially denticulated wheel is seated, meshing with a toothed rack fixed to the movable element of the bistable switch.

11. The device of claim 6, wherein the actuating element is a knob, mounted in the machine housing and on the axis of which, on the inside of the housing, a holding element for the movable element of the bistable switch, rotatable with the knob, is seated.

12. The device of one of claim 1, wherein the hand-held tool machine is an electrical combination hammer, which can be used alternately as a drilling hammer and a chiseling hammer, wherein, when changing over from the drilling mode to the chiseling mode by actuating the changeover device, the switch that is actuated at the same time, switches at least one system function, of a blocking protection, that is in the active position when the drilling mode is selected, into the inactive position.